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**Patent/Publication No.** 362333

**Title** Apparatus for demodulating and decoding video signals encoded in different formats

**Publication Date** 1999/06/21

**Application Date** 1996/01/26

**Application No.** 085100973

**Certification Number** 104176

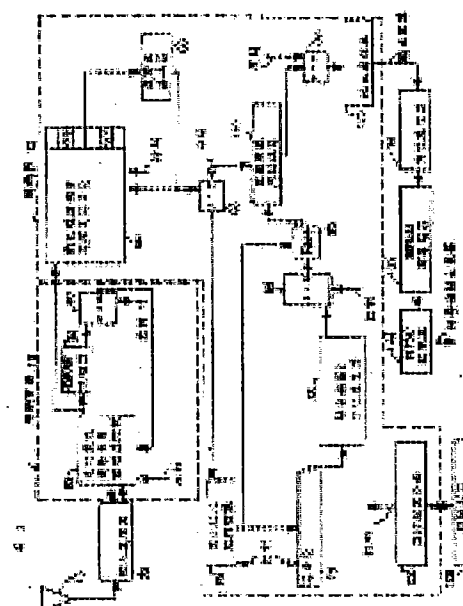
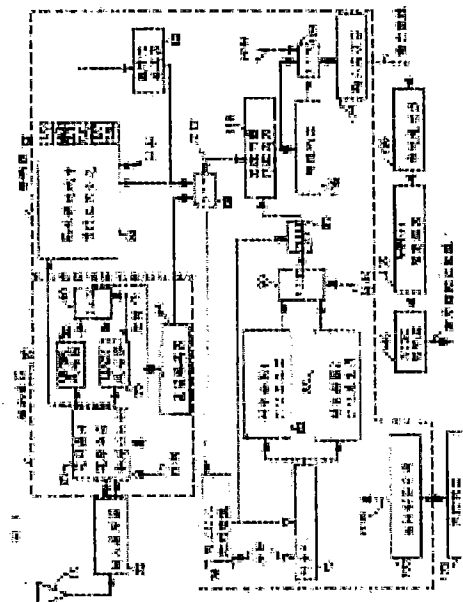
**IPC** *H04L-027/28;H04N-005/455*

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**Abstract** An adaptive receiver includes an adaptive demodulator and an adaptive decoder for providing demodulated and decoded output data from a video signal encoded for satellite, terrestrial or cable transmission. The demodulator recovers demodulated output data by using an adaptive timing recovery network and an adaptive carrier recovery network that incorporates a selectable slicer network. In addition, an Automatic Gain Control network within the demodulator provides a gain control output as a function of a difference between signals produced both prior to and following the slicer. The demodulator may also incorporate a signal quality detector that uses carrier recovery network signals to provide an estimate of the error in the demodulated output data. The decoder produces a Viterbi



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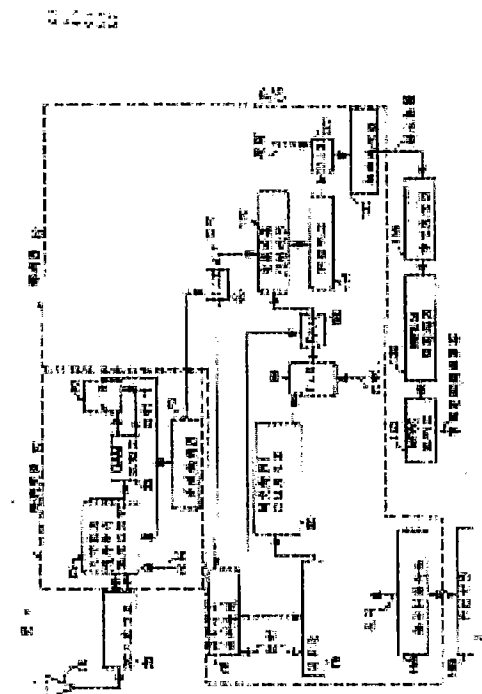
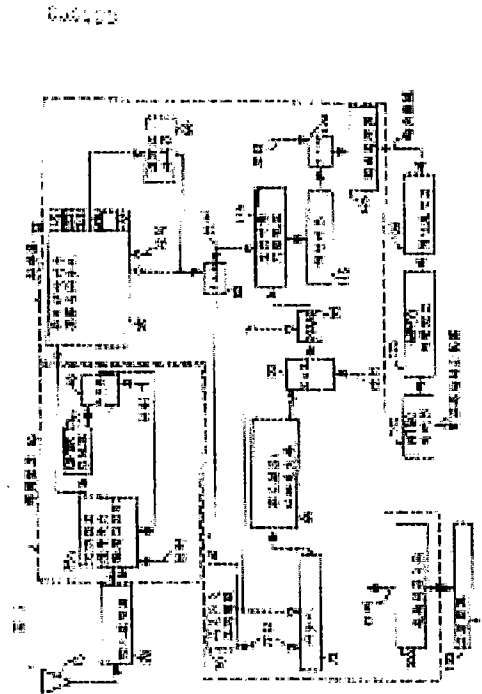


圖 3

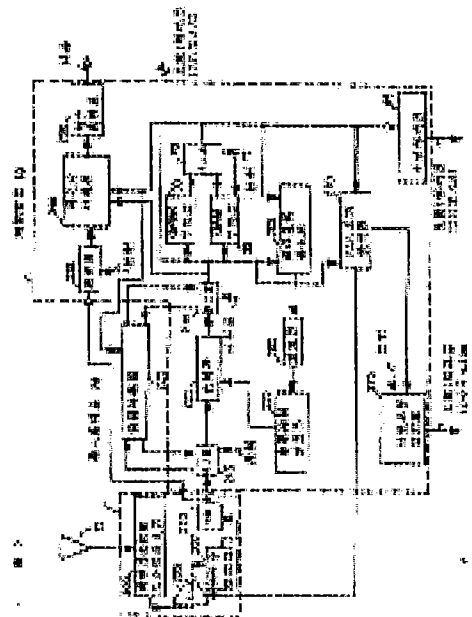


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